Schematics

Audio

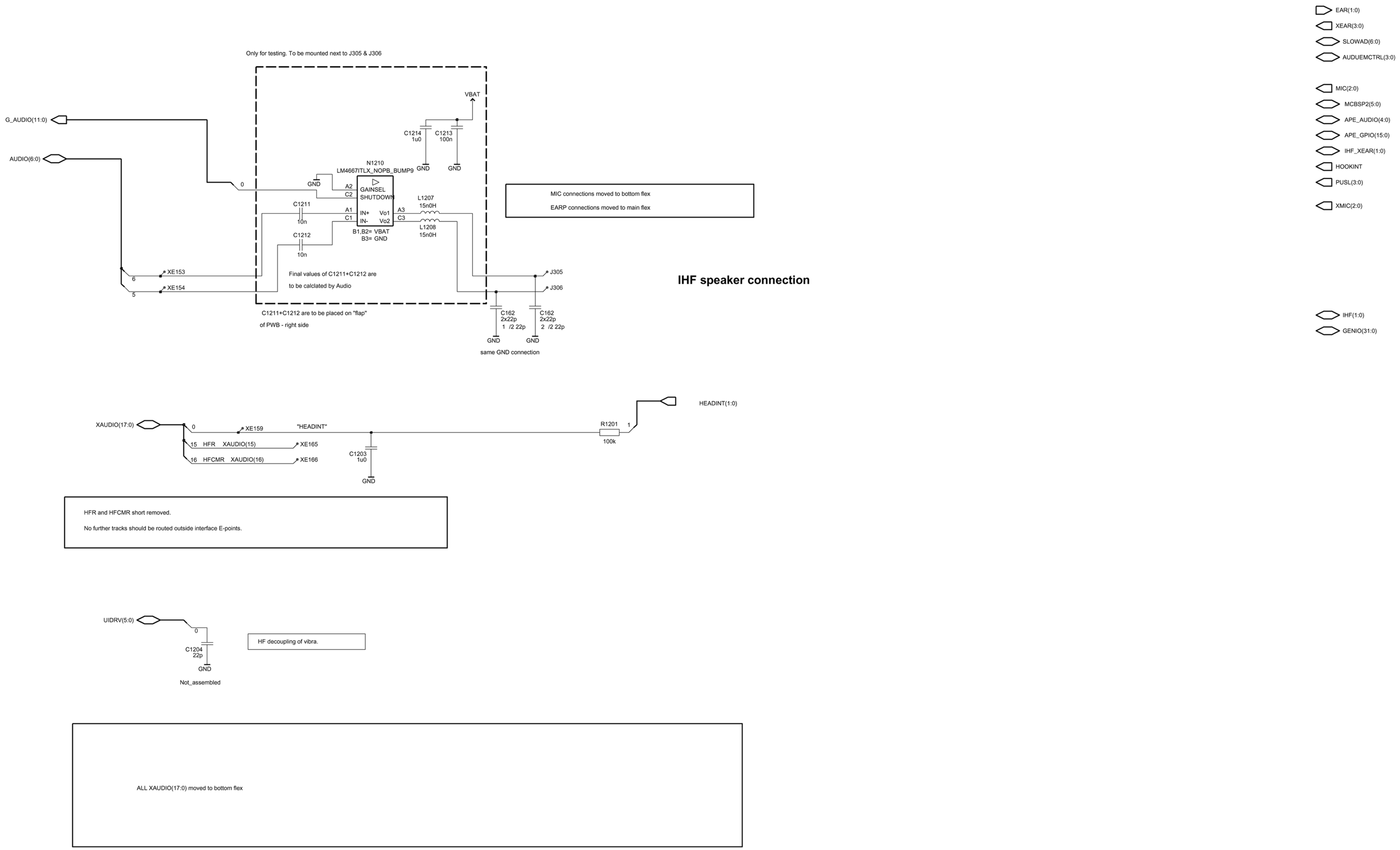


Figure 132 RM-13/33 Audio, v. 2.0, ed. 287

Bluetooth

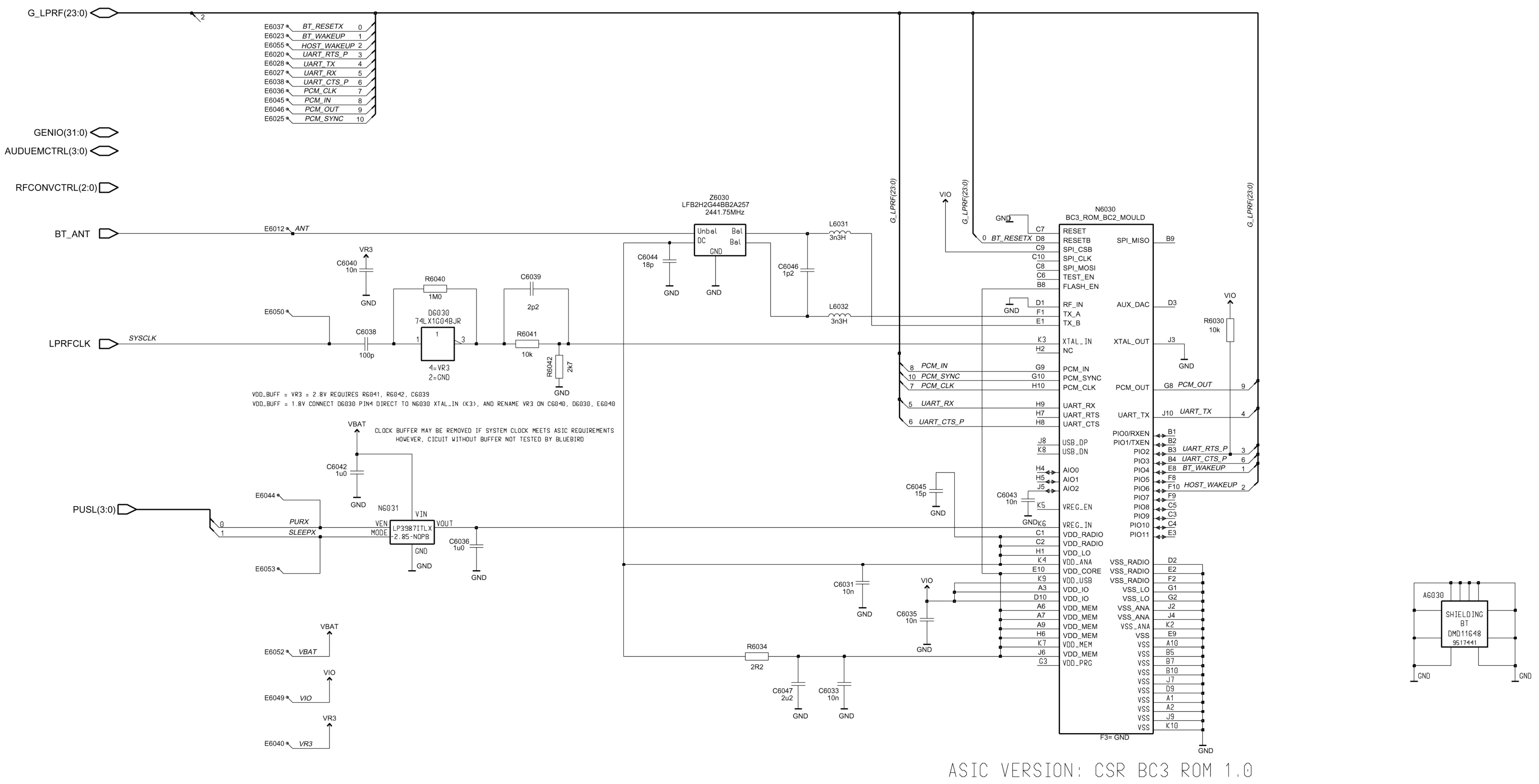


Figure 133 RM-13/33 Bluetooth, ed. 113

Top level

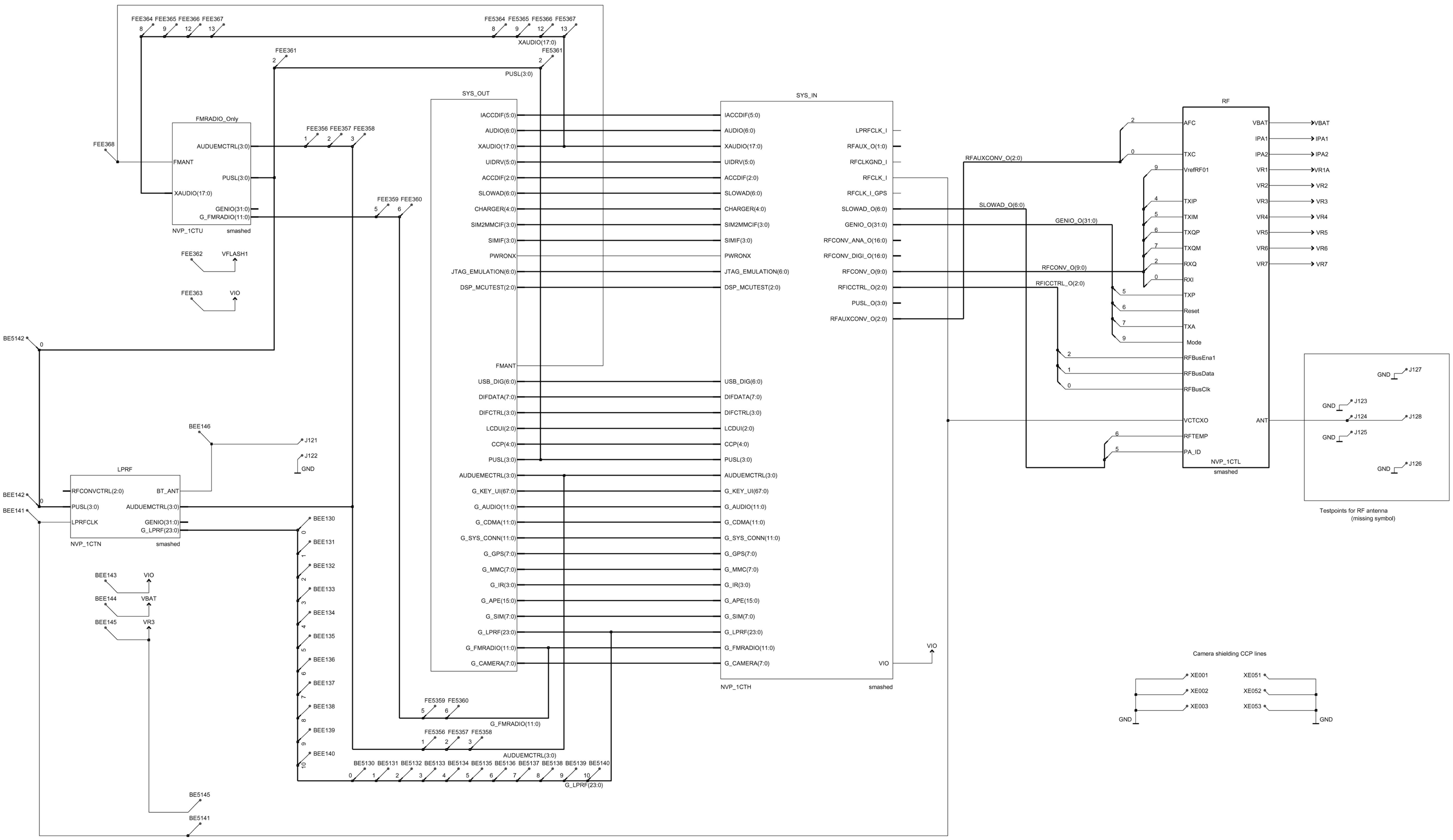


Figure 134 RM-13/33 Top level, ed. 443

RF top level

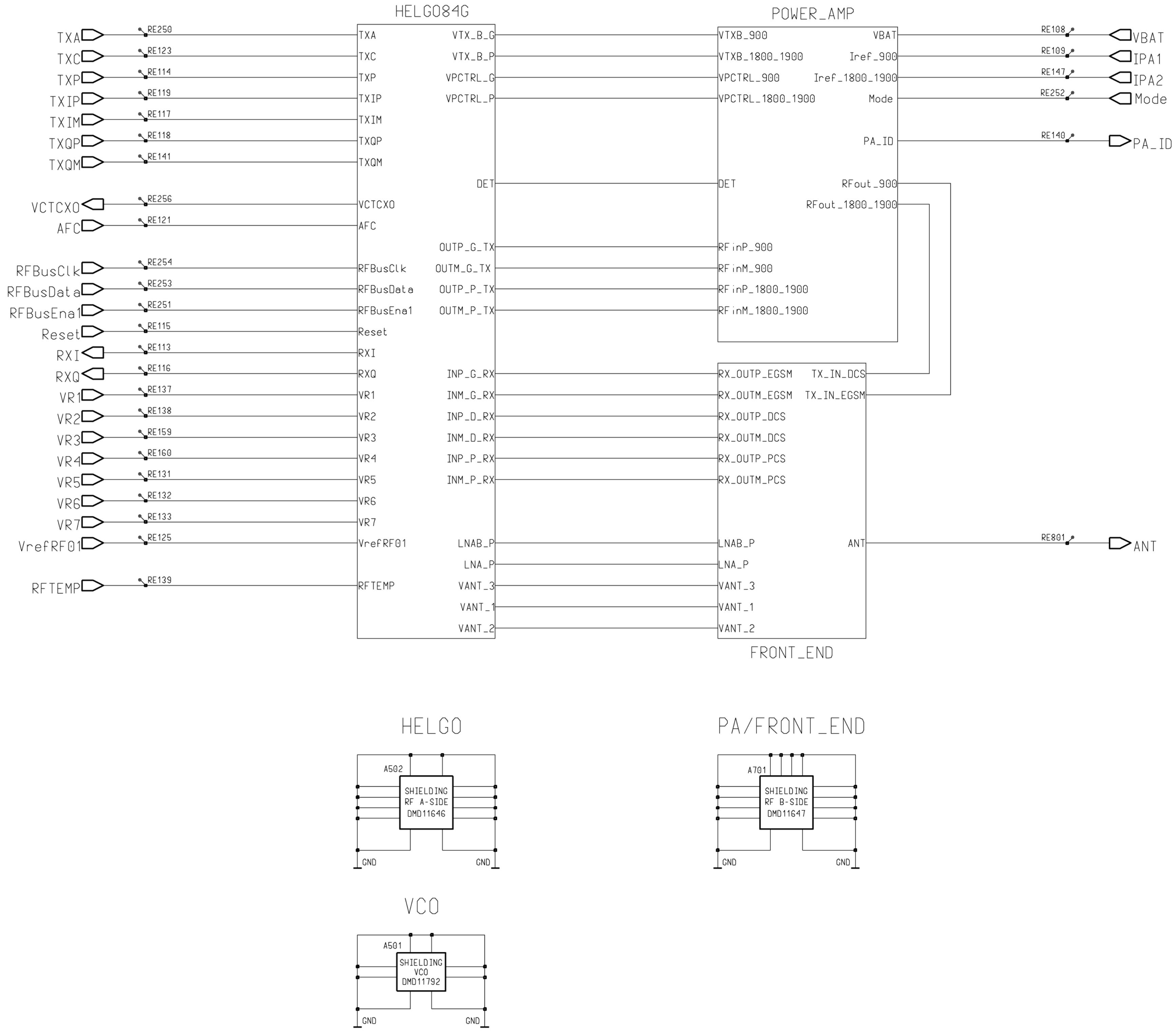


Figure 135 RM-13/33 RF top level, ed. 224

RX front end and antenna switch

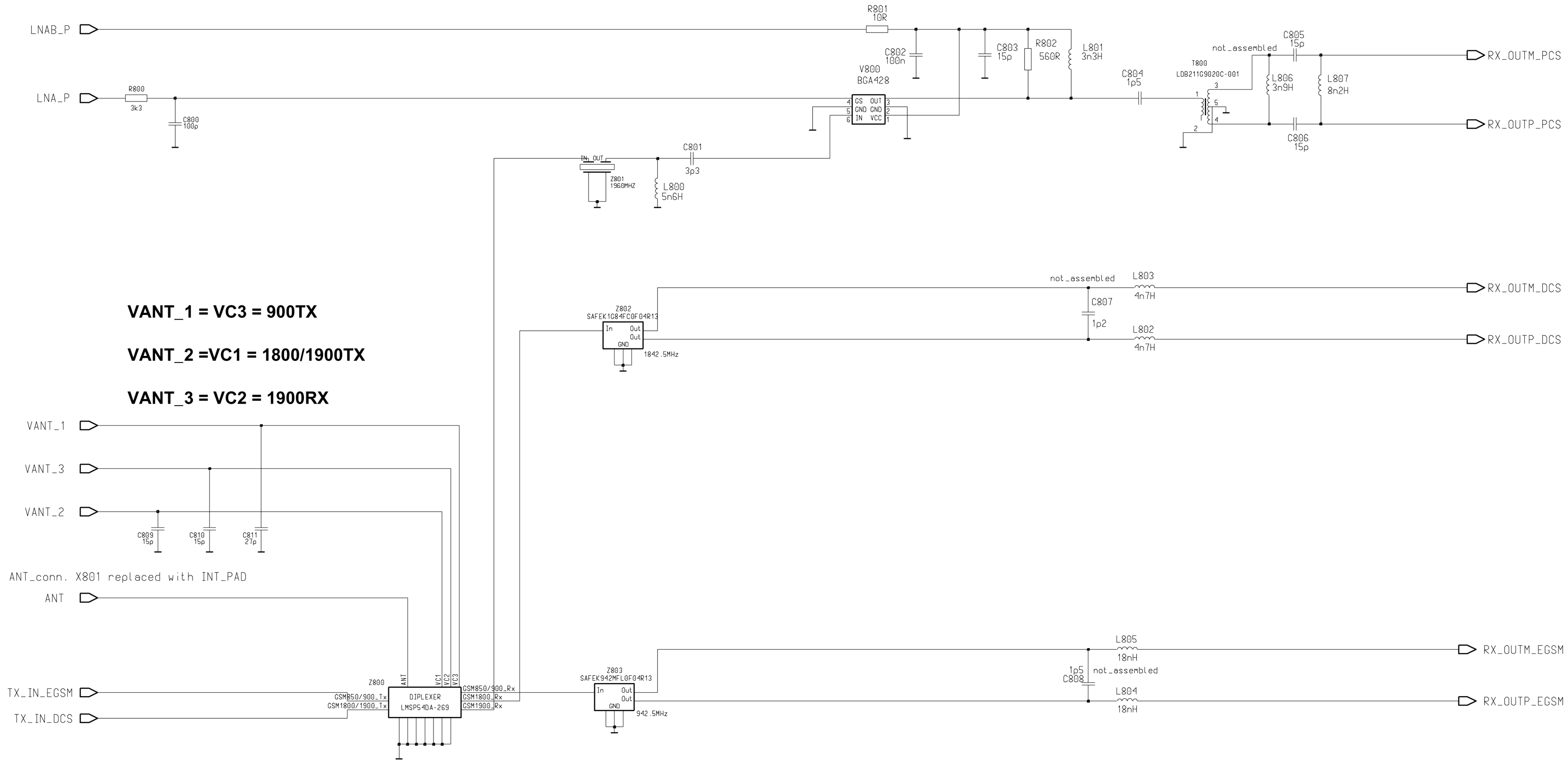


Figure 136 RM-13/33 RX front end and antenna switch, ed. 182

Helgo (RF ASIC)

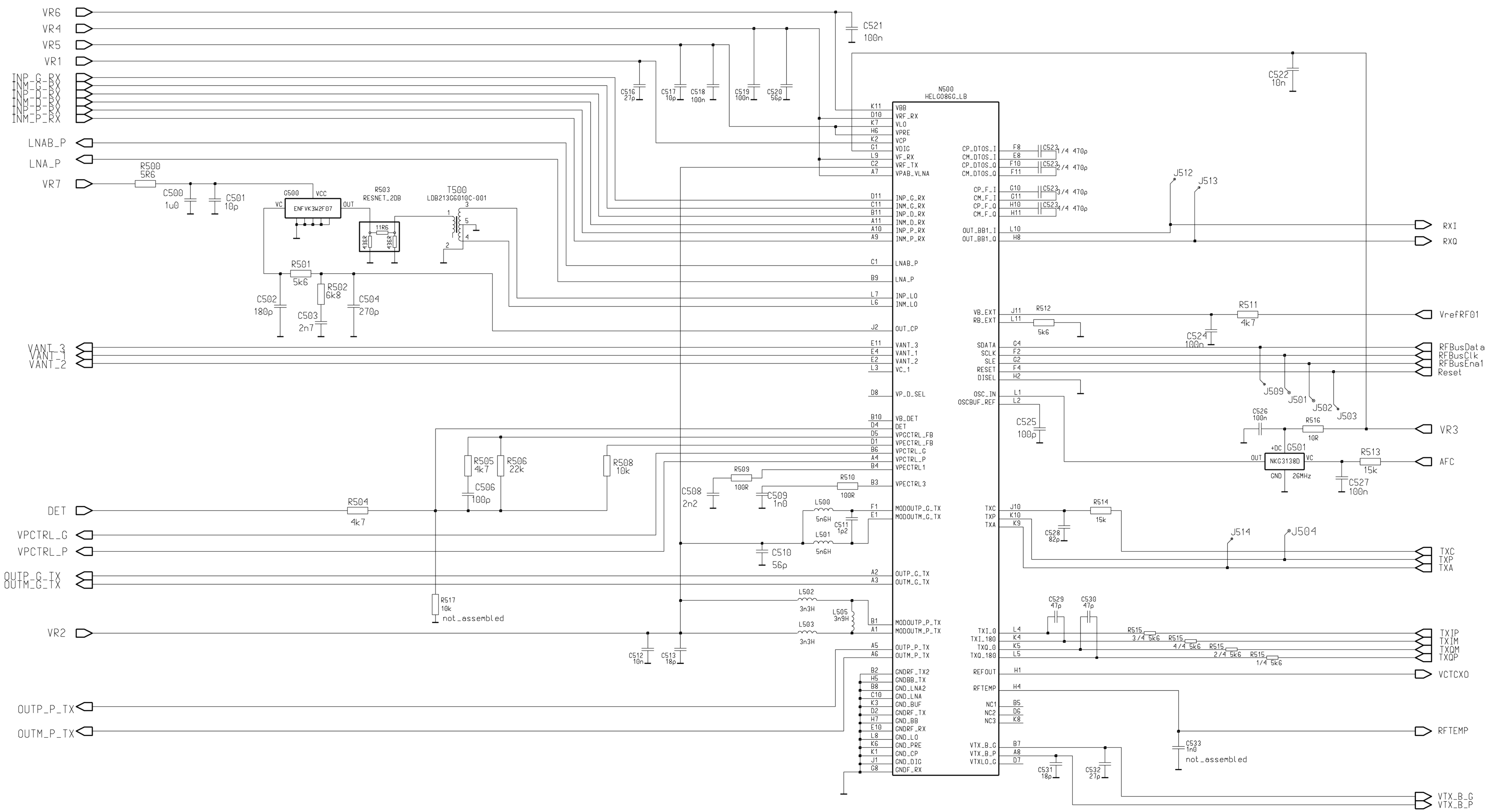
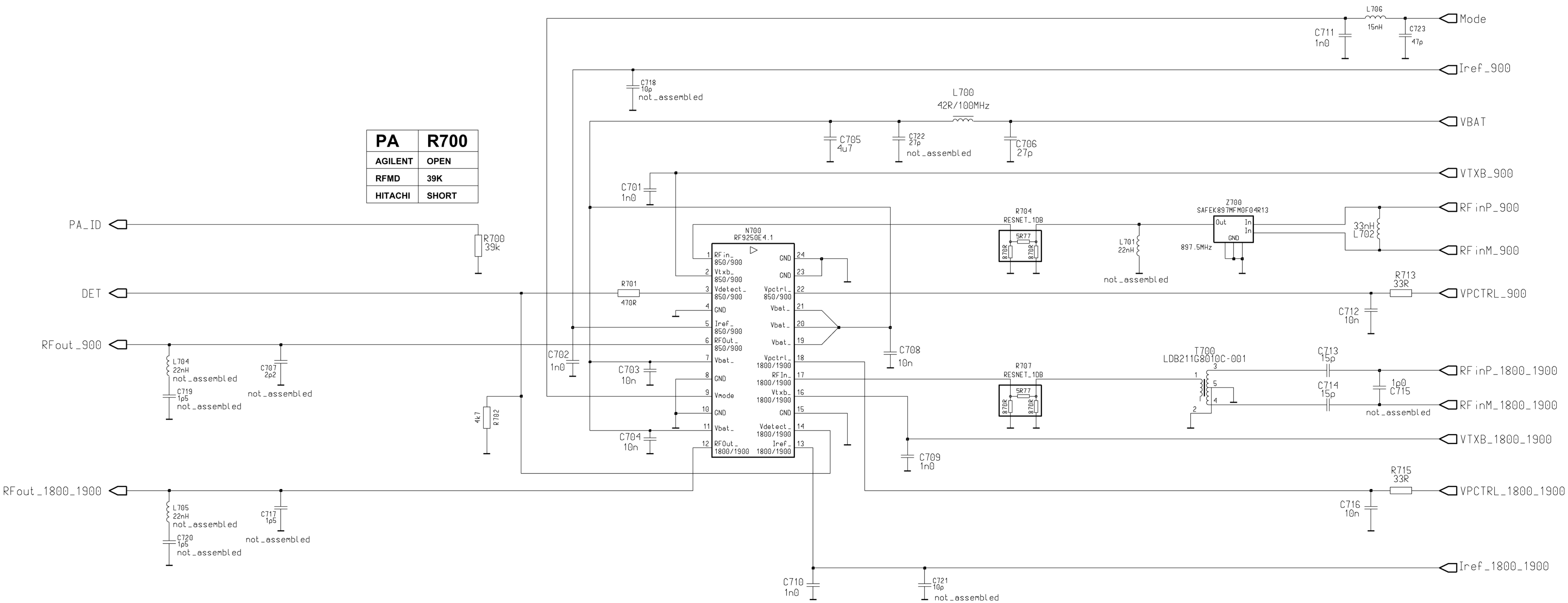


Figure 137 RM-13/33 Helgo, ed. 227

Company Confidential

Power amplifier and detection



PA	R700
AGILENT	OPEN
RFMD	39K
HITACHI	SHORT

Figure 138 RM-13/33 Power amplifier and power detection, ed. 161

Baseband engine

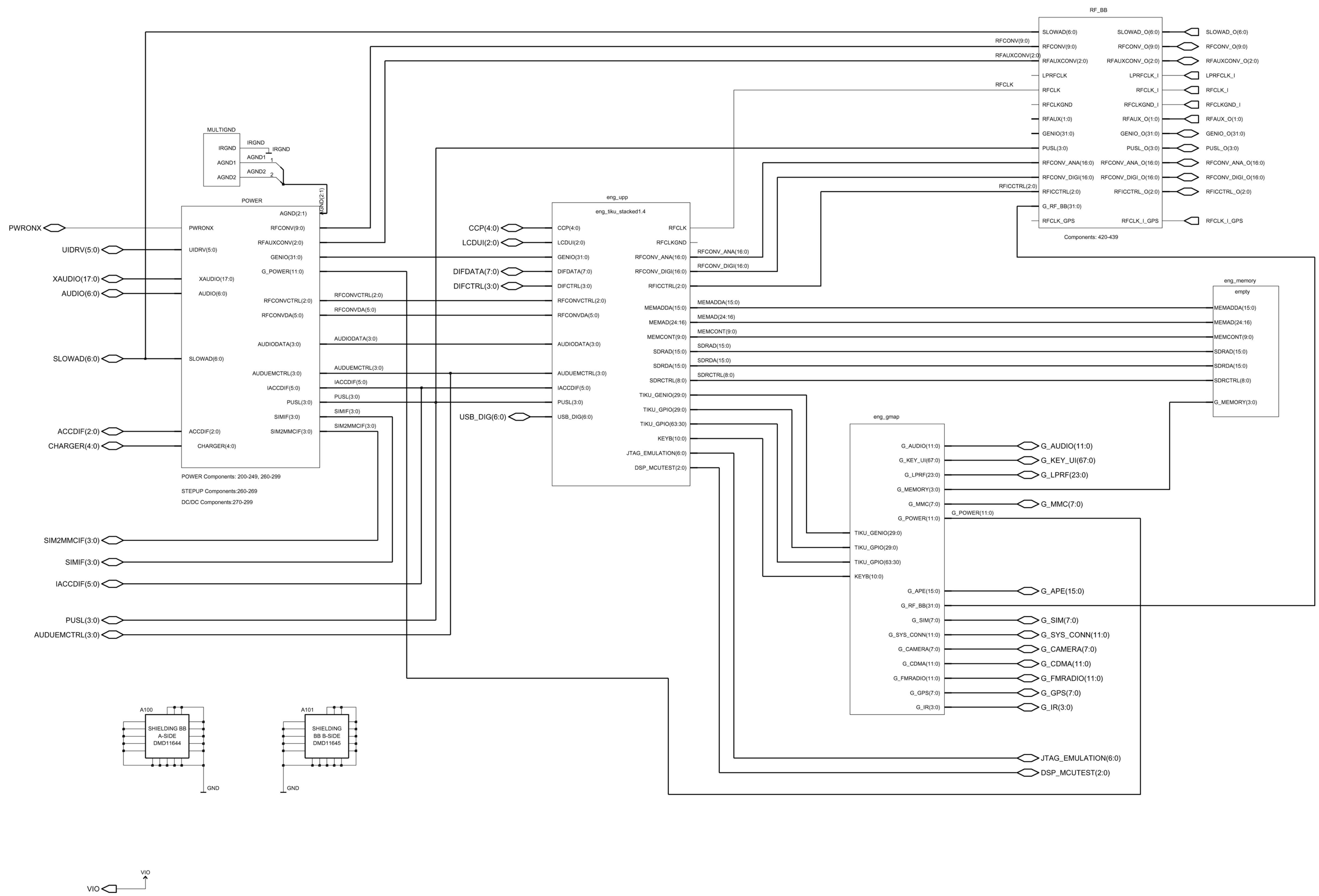


Figure 139 RM-13/33 BB engine, v. 0.0, ed. 3

RF-baseband interface

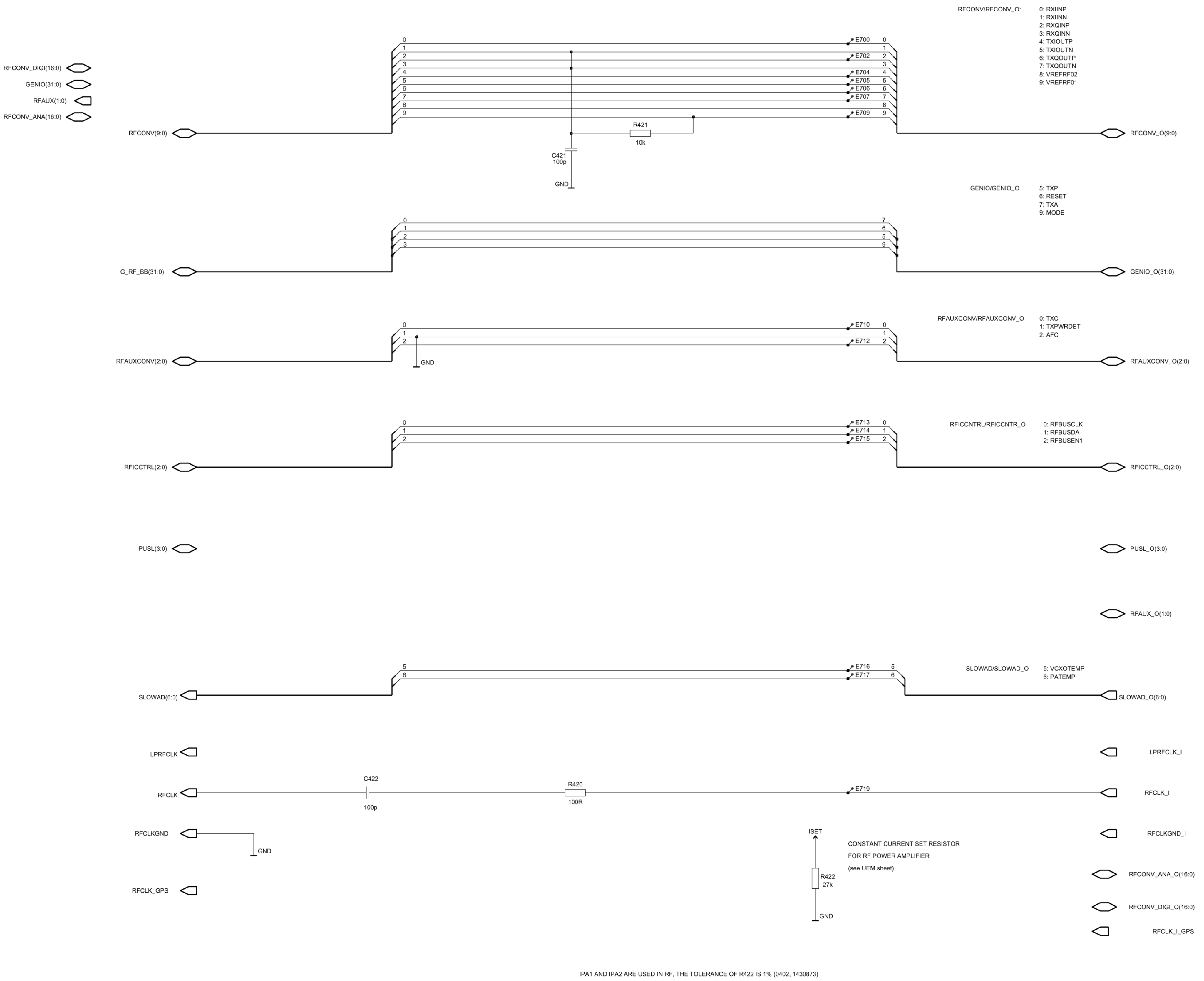


Figure 140 RM-13/33 RF-BB interface, v. 1.3, ed. 3

Energy management (UEM)

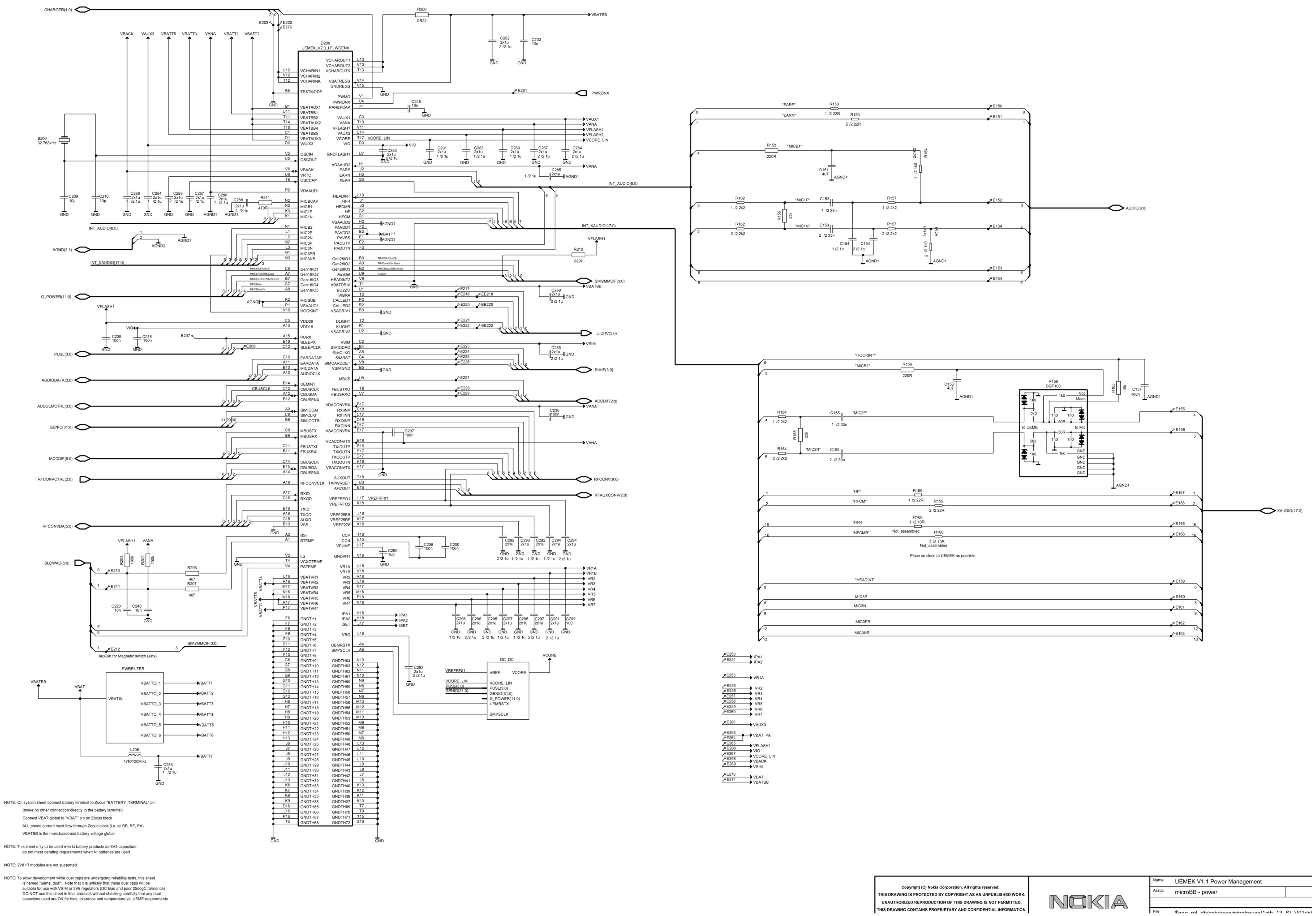
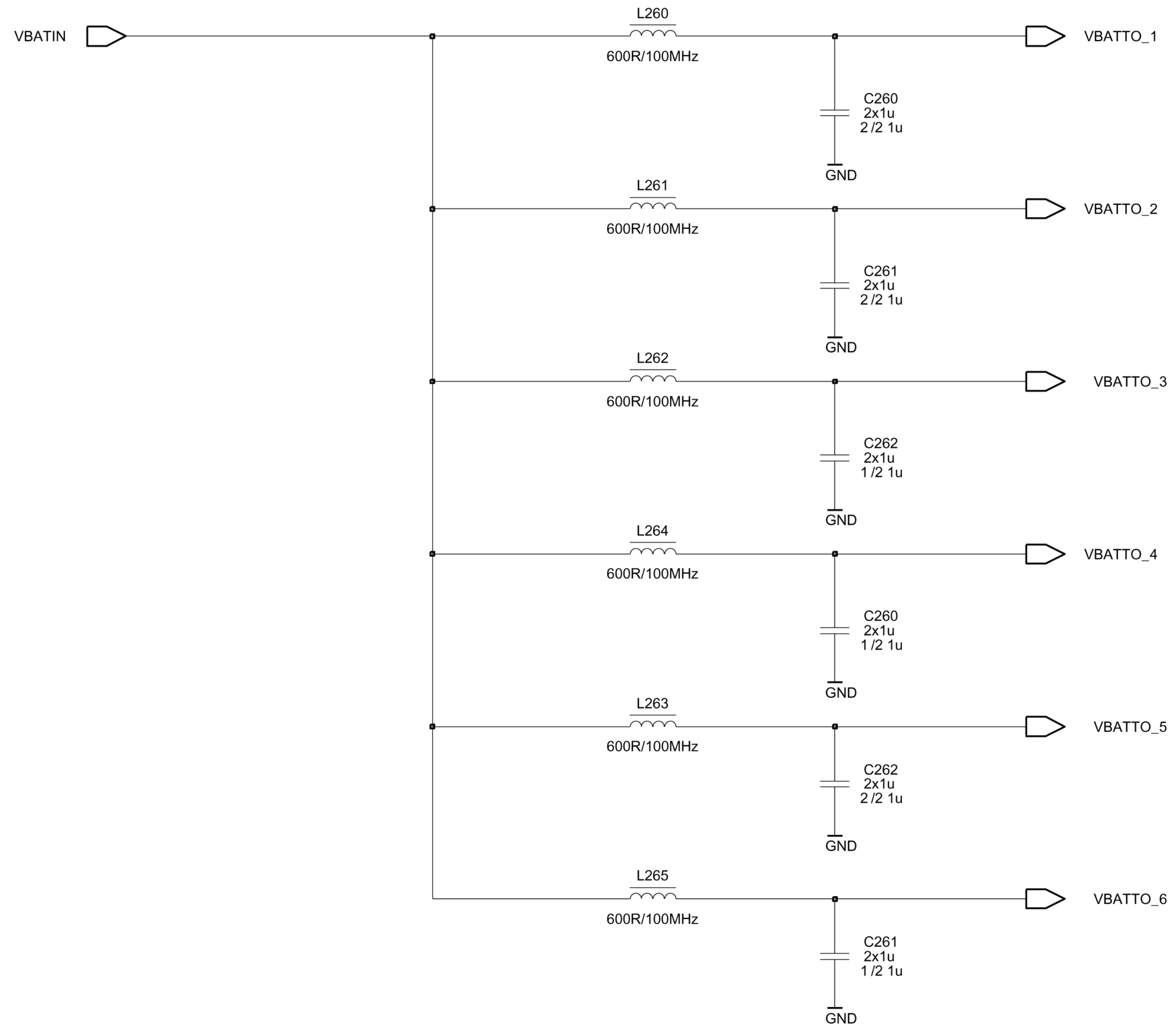


Figure 141 RM-13/33 UEMEK power management, v. 1.0, ed. 3

Light filtering



NOTE: This sheet uses dual 1uF capacitors. Check that full approval has been granted for these parts before use, or use this sheet at risk

Figure 142 RM-13/33 Light filtering, v. 1.0, ed. 3

DC_DC for Tiku and VIO

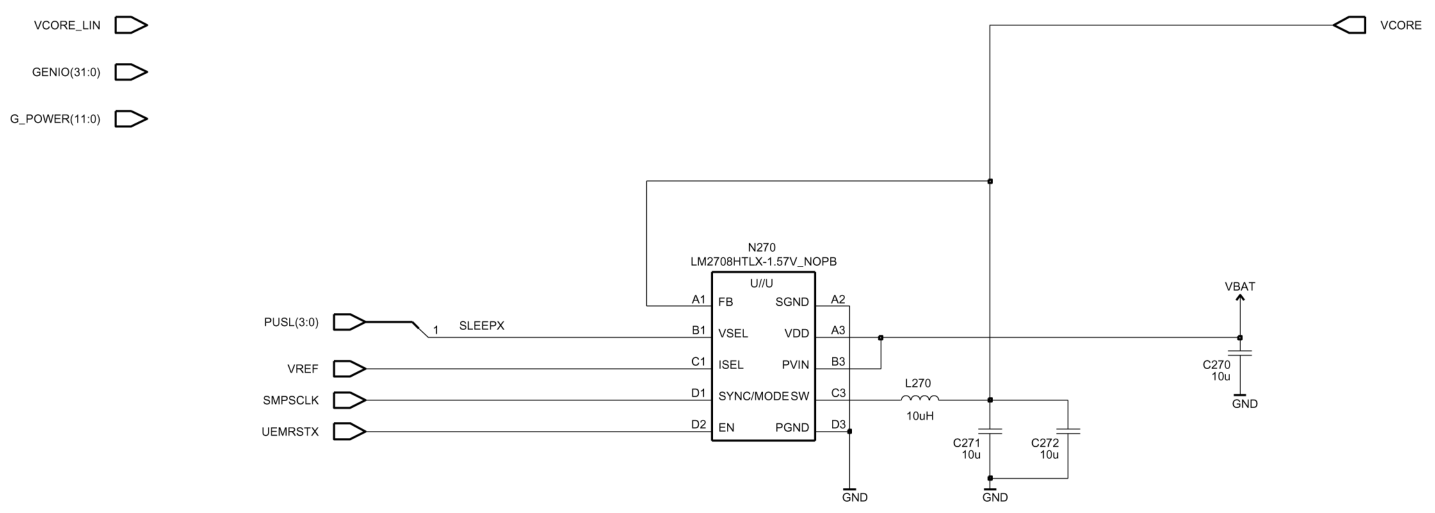


Figure 143 RM-13/33 DC_DC for Tiku and VIO, v. 1.7, ed. 3

MultiGND and connections

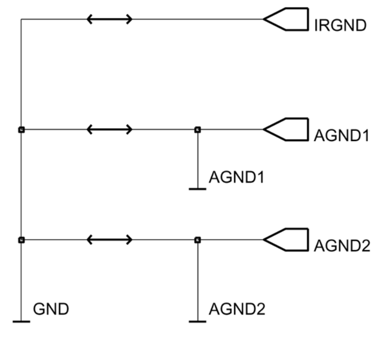


Figure 144 RM-13/33 MultiGND connecting AGNDs & IRGND to global GND, v. 0.0, ed. 3

Flash memory

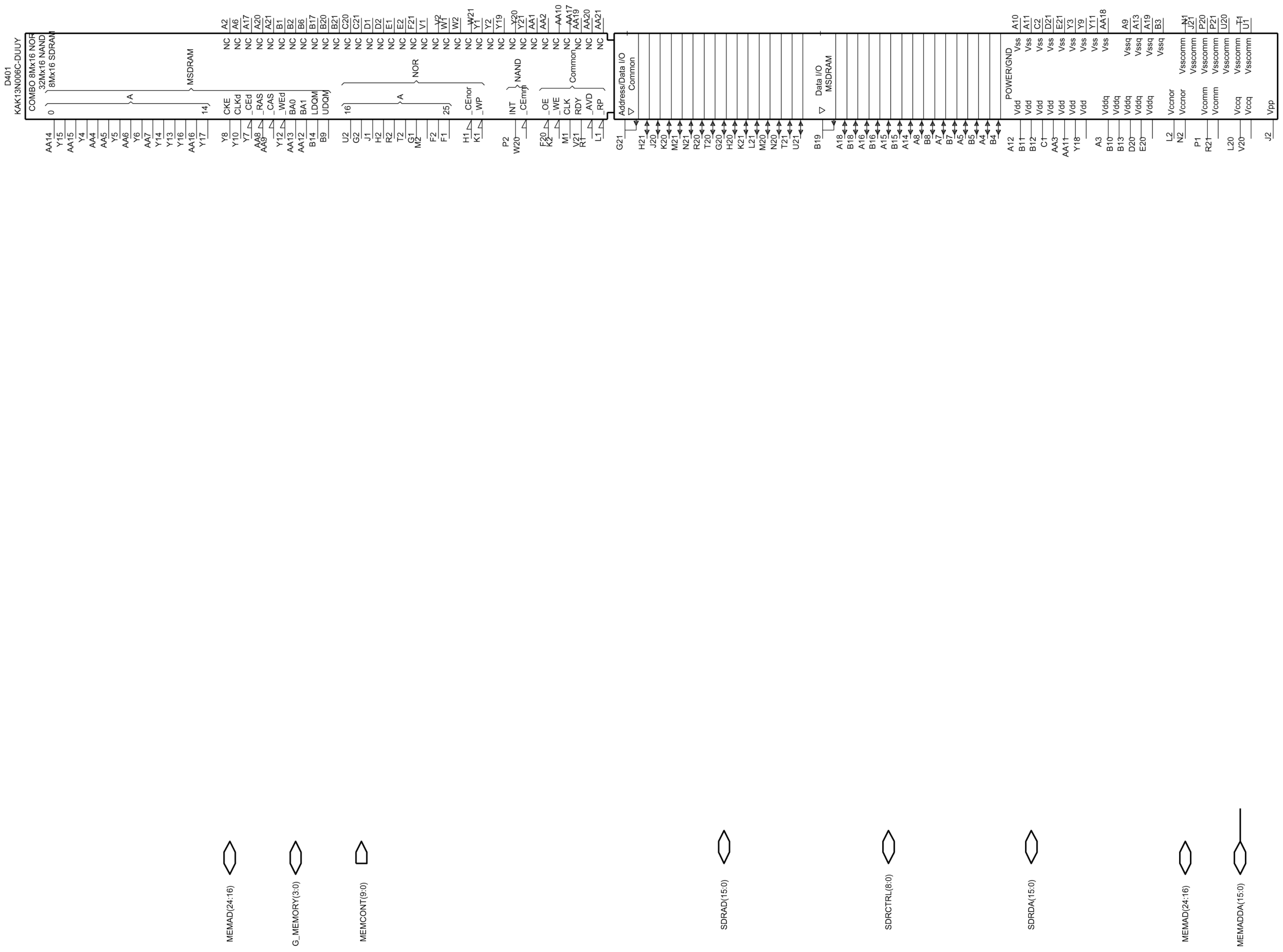


Figure 145 RM-13/33 Flash memory 128 Mbit, v. 2.0, ed. 3

TikuEDGE

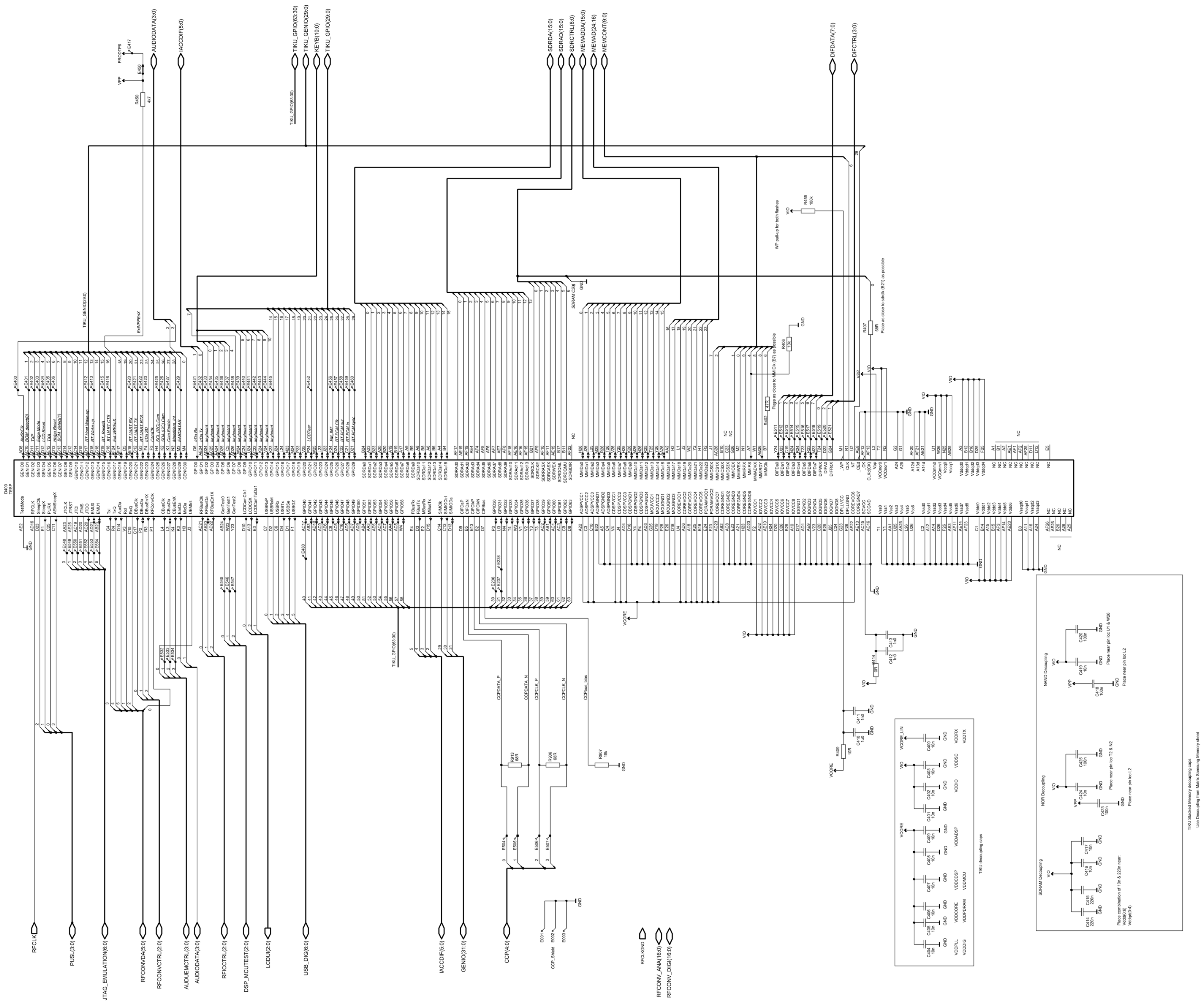


Figure 146 RM-13/33 TikuEDGE part of uBB engine, v. 1, ed. 3

GENIO and GPIO

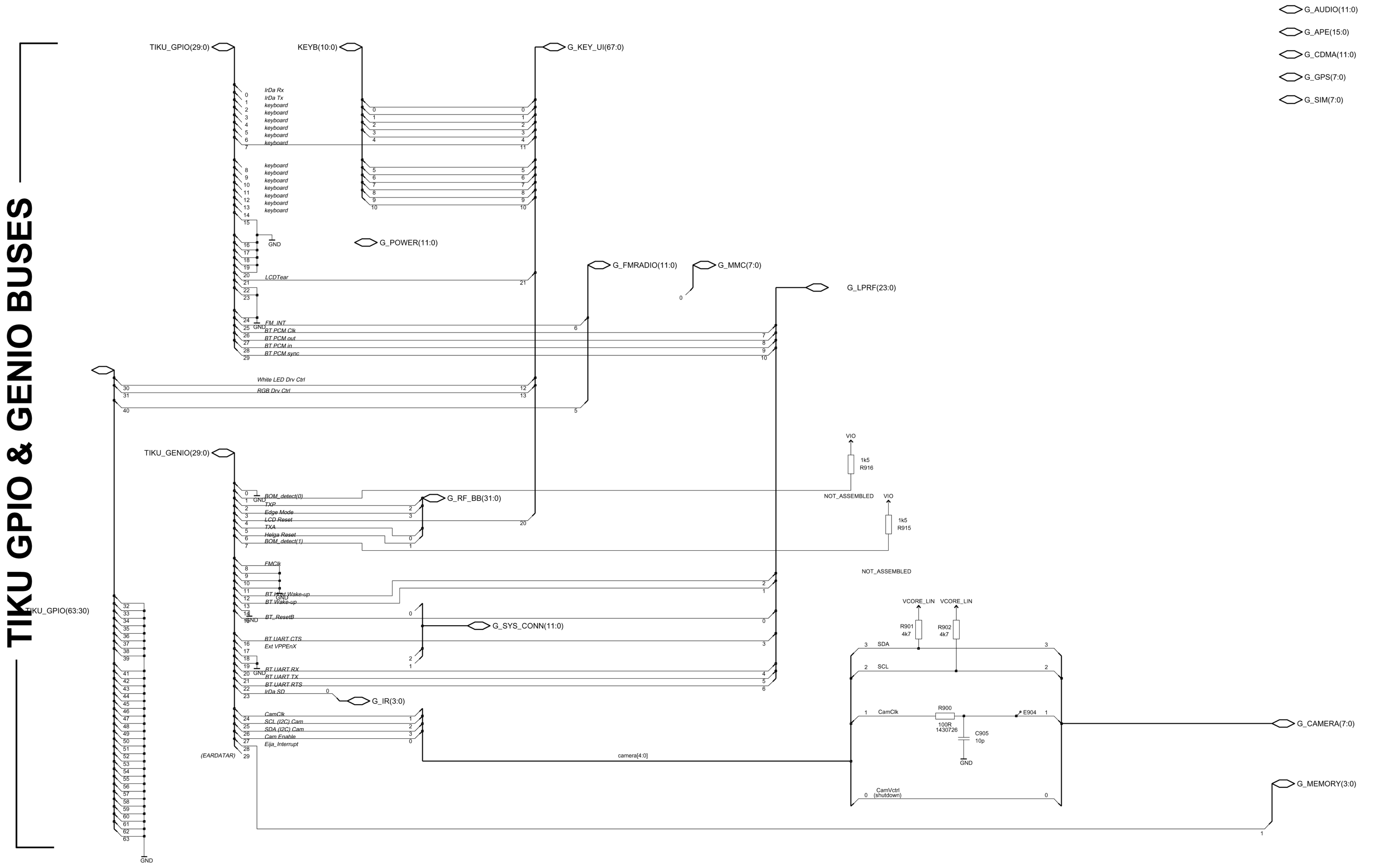


Figure 147 RM-13/33 GENIO & GPIO connection block, v. 0.0, ed. 3

SYS_OUT

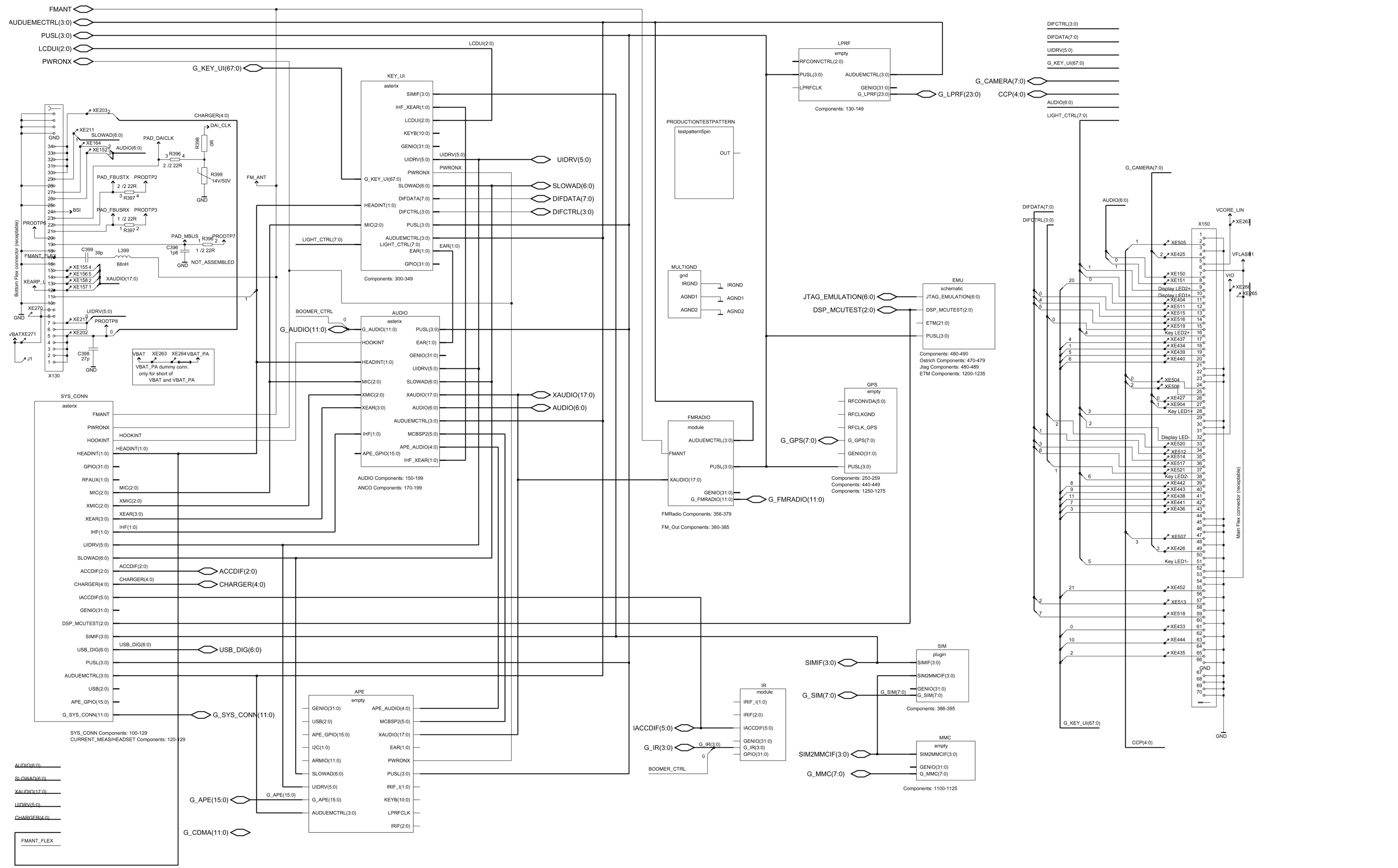


Figure 148 RM-13/33 SYS_OUT top level, v. 2.0, ed. 329

SIM reader

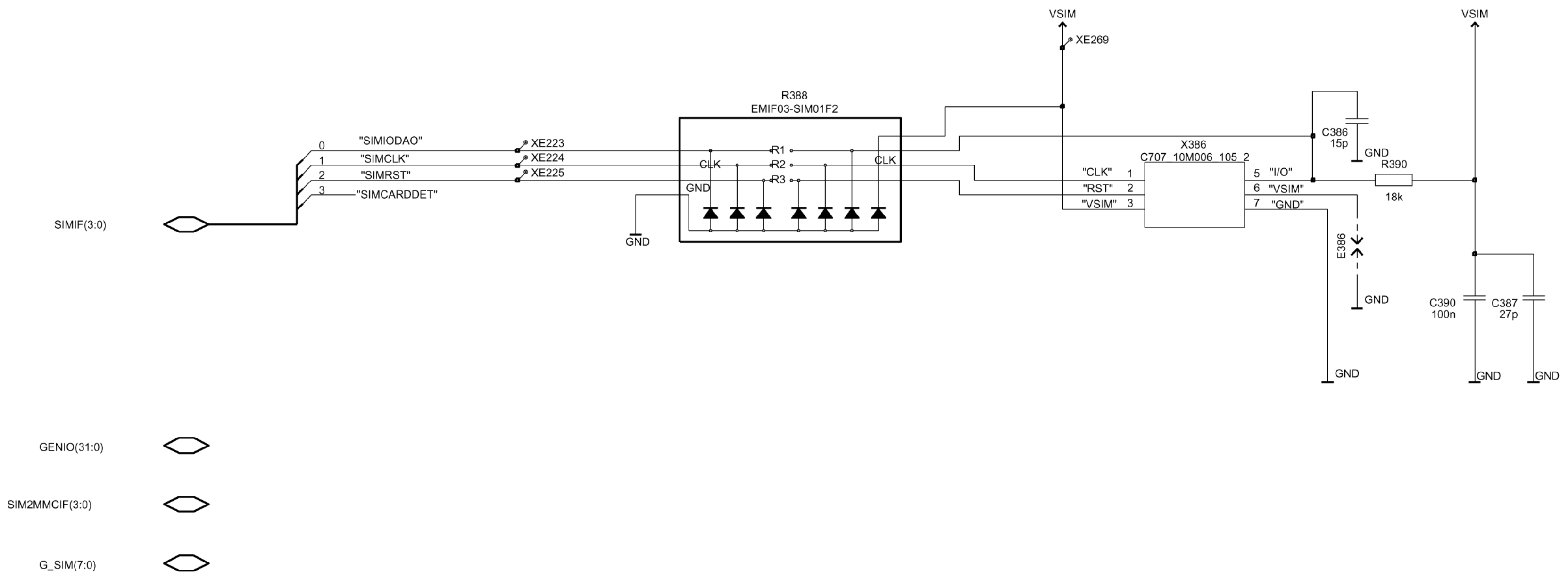


Figure 149 RM-13/33 SIM reader, v. 2.0, ed. 143

MultiGND symbol bypass

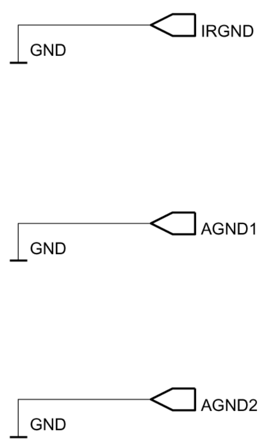


Figure 150 RM-13/33 MultiGND symbol bypass, v. 0.0, ed. 28

System connector

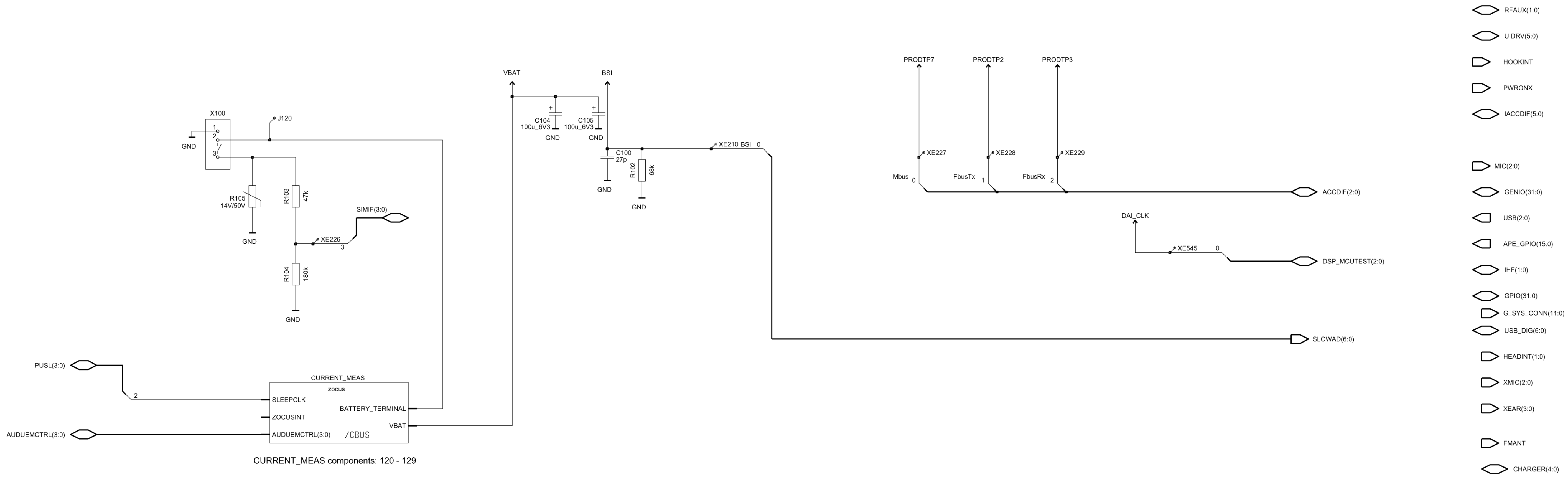


Figure 151 RM-13/33 System connector, v. 3.3, ed. 327

Zocus (current measurement)

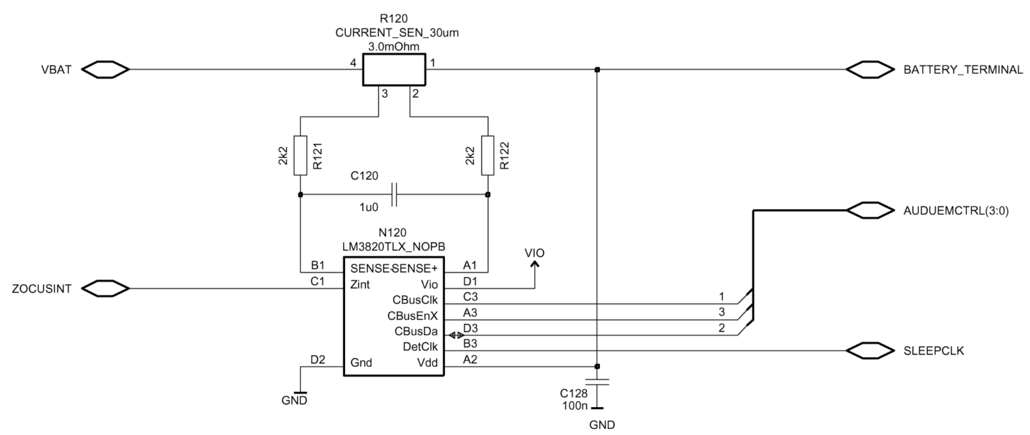


Figure 152 RM-13/33 Zocus current measurement, v. 2.1, ed. 99

UI components

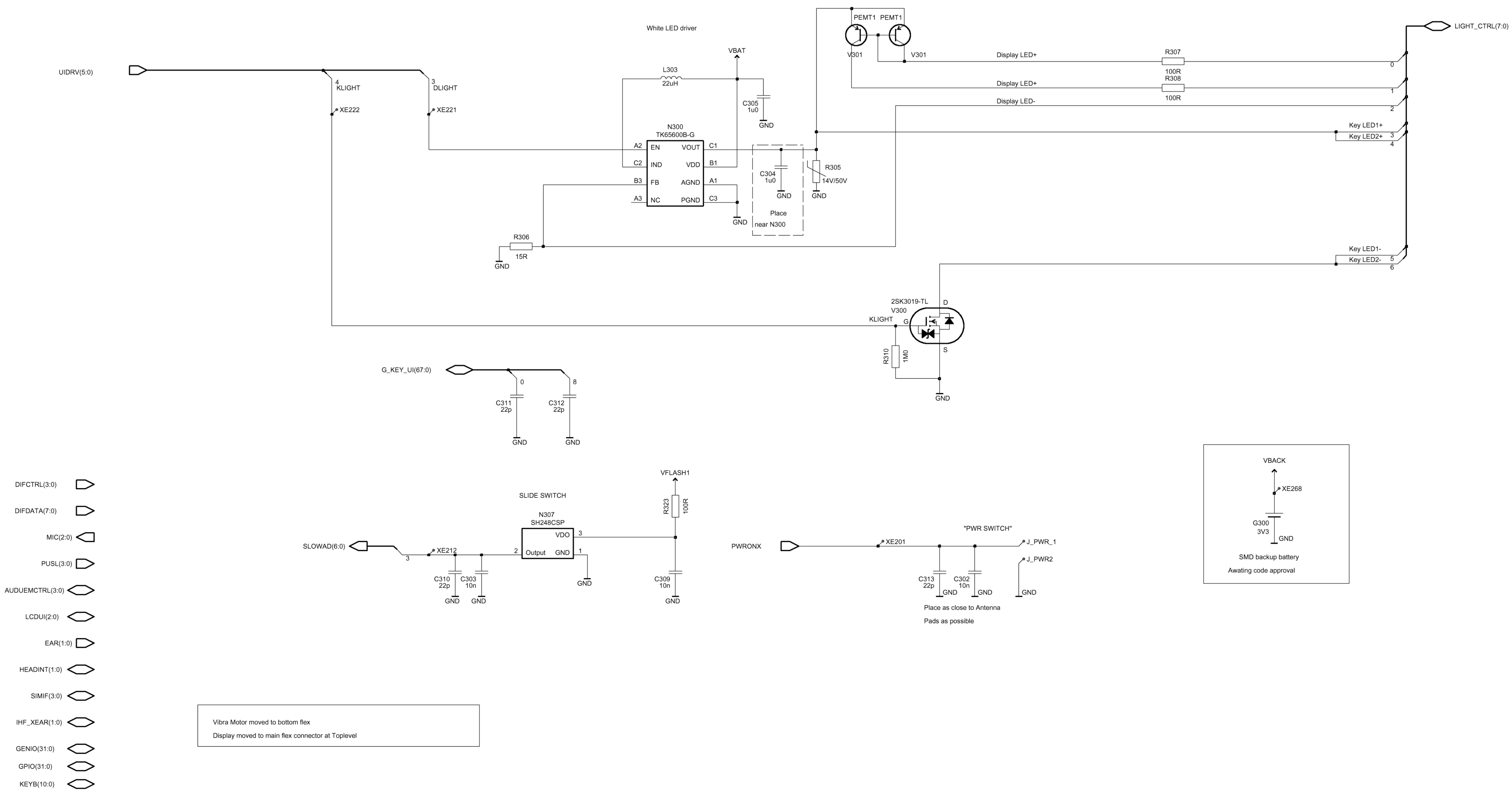
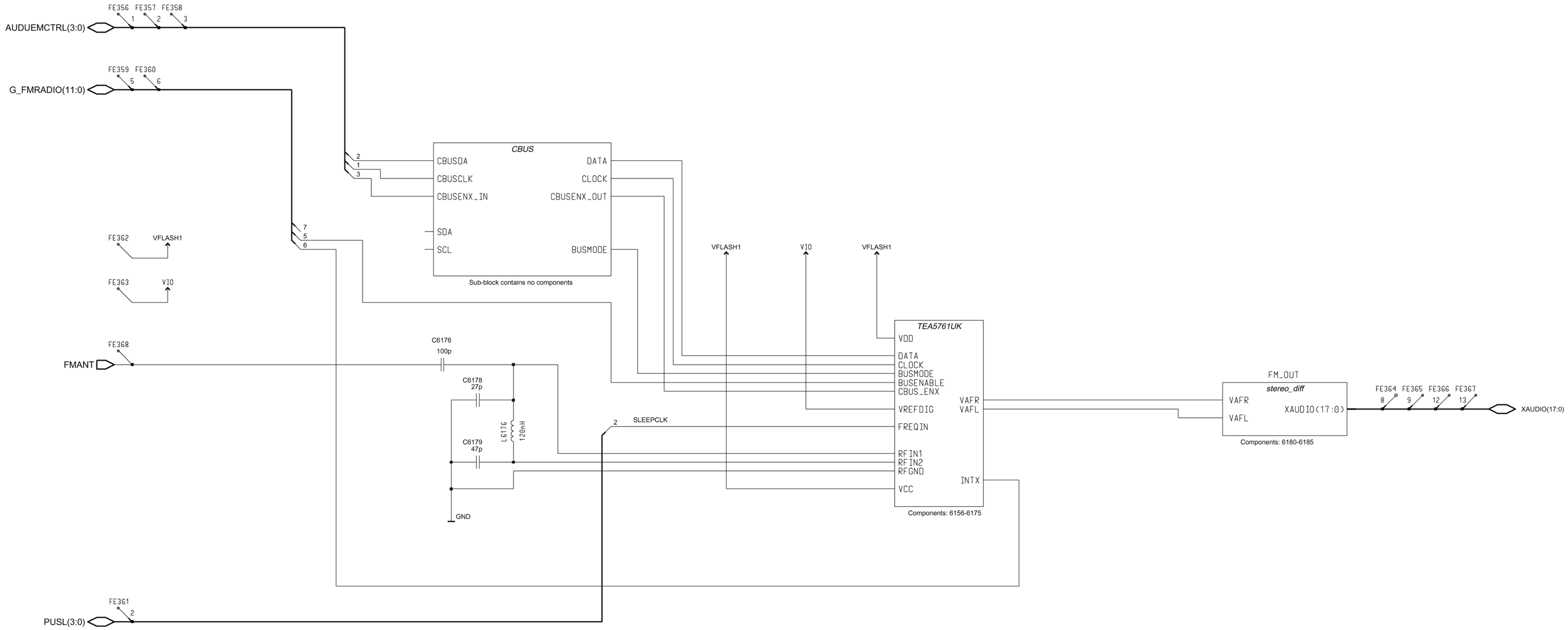


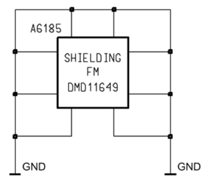
Figure 153 RM-33 UI components, v. 2.3, ed. 534

FM interface (RM-33)



Note: For Layout information, see FM Radio Application Note: Document No. DHJ00379

Interface Designation	*BB Release*	*G_MAP sheet Recommended connection(s)*	*Signal*	*Function*
G_FMRADIO(5)	*BB4.0*	*GENIO(24)*	*INTX*	*Falling Edge Interrupt*
	BB4.5	*GENIO(8) or GENIO(9) or GENIO(10) or GENIO(11)*		
FmRadio_2V7_ANA		*VANA*	*VCC/VDD*	*Main 2.7Vdc Supply*
FmRadio_1V8_Dig		*VIO*	*VREFDIG*	*1.8Vdc IO Supply*



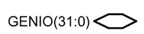
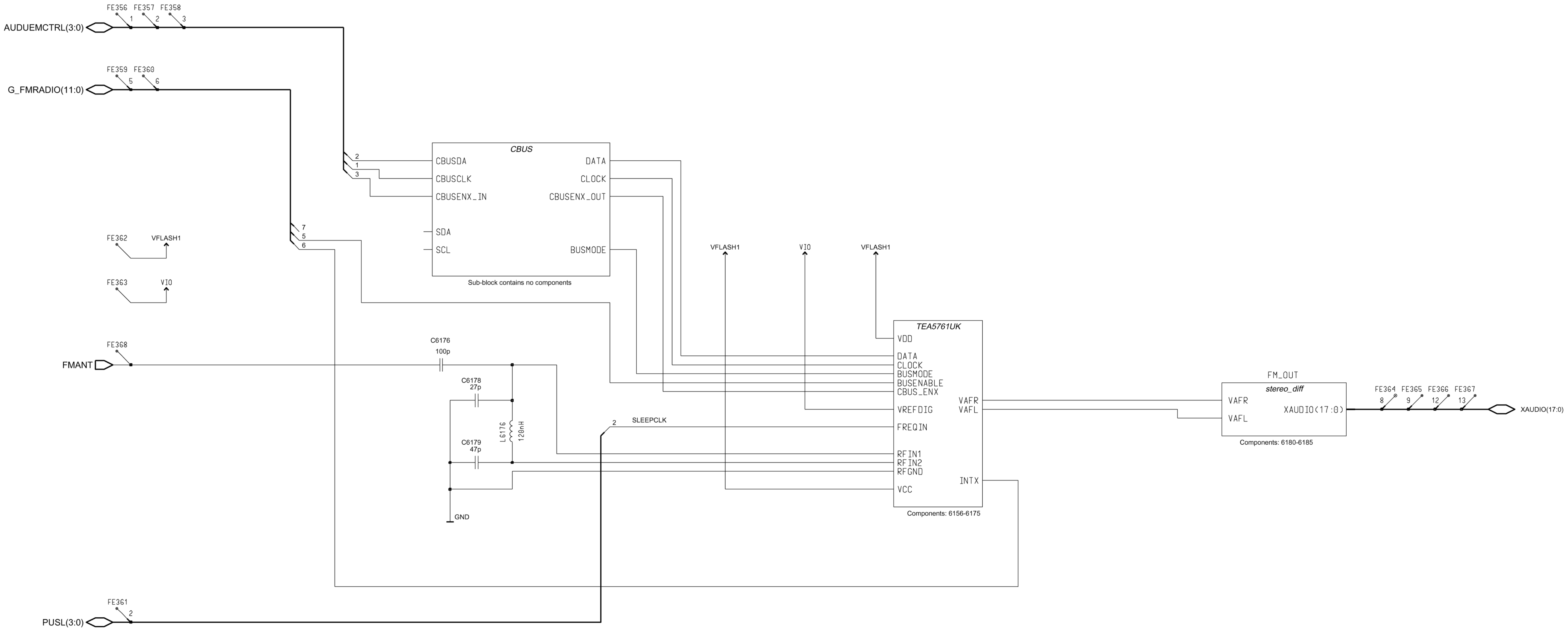


Figure 154 RM-33 FM interface, v. 0.0, ed. 124

FM interface (RM-13)



Note: For Layout information, see FM Radio Application Note: Document No. DHJ00379

Interface Designation	BB Release	G_MAP sheet Recommended connection(s)	Signal	Function
G_FMRADIO(5)	BB4.0	GENIO(24)	INTX	Falling Edge Interrupt
	BB4.5	GENIO(8) or GENIO(9) or GENIO(10) or GENIO(11)		
FmRadio_2V7_ANA		VANA	VCC/VDD	Main 2.7Vdc Supply
FmRadio_1V8_Dig		VIO	VREFDIG	1.8Vdc IO Supply

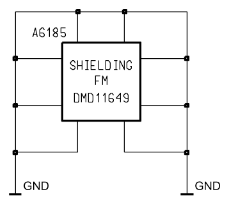


Figure 155 RM-13 FM interface, v. 0.0, ed. 128

CBus



Figure 156 RM-13/33 CBus, v. 0.0, ed. 64

Differential stereo

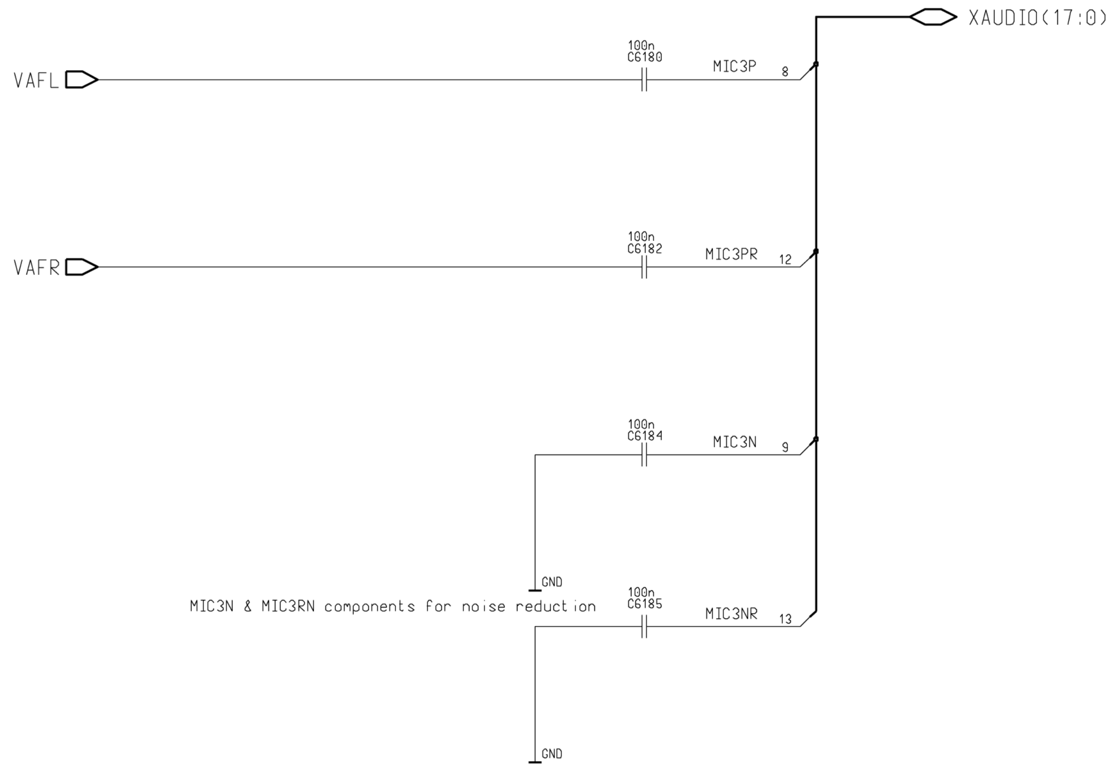


Figure 157 RM-13/33 Differential stereo, v. 0.0, ed. 71

FM radio

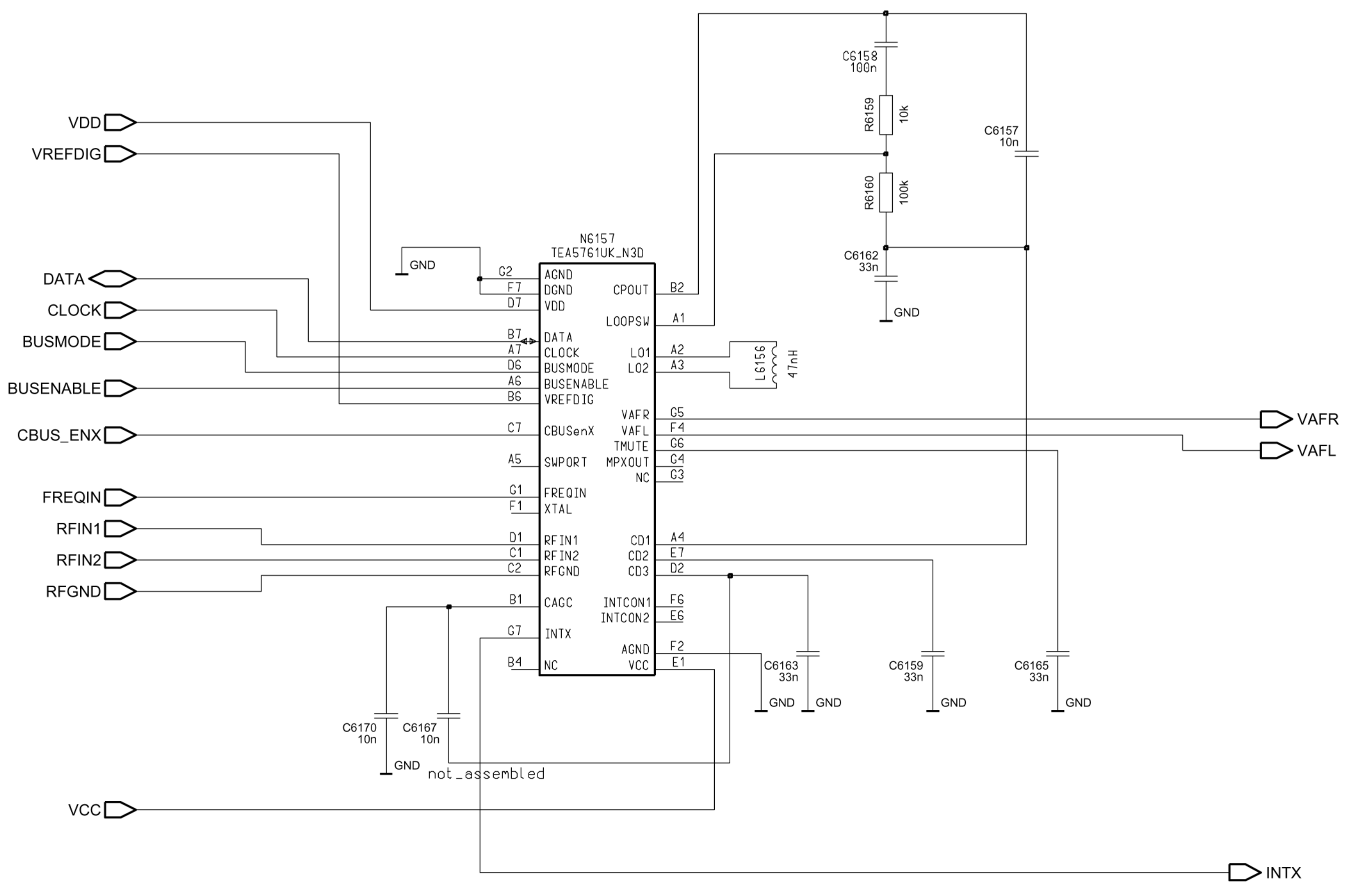


Figure 158 RM-13/33 FM radio, v. 0.0, ed. 31

Component layout, top side

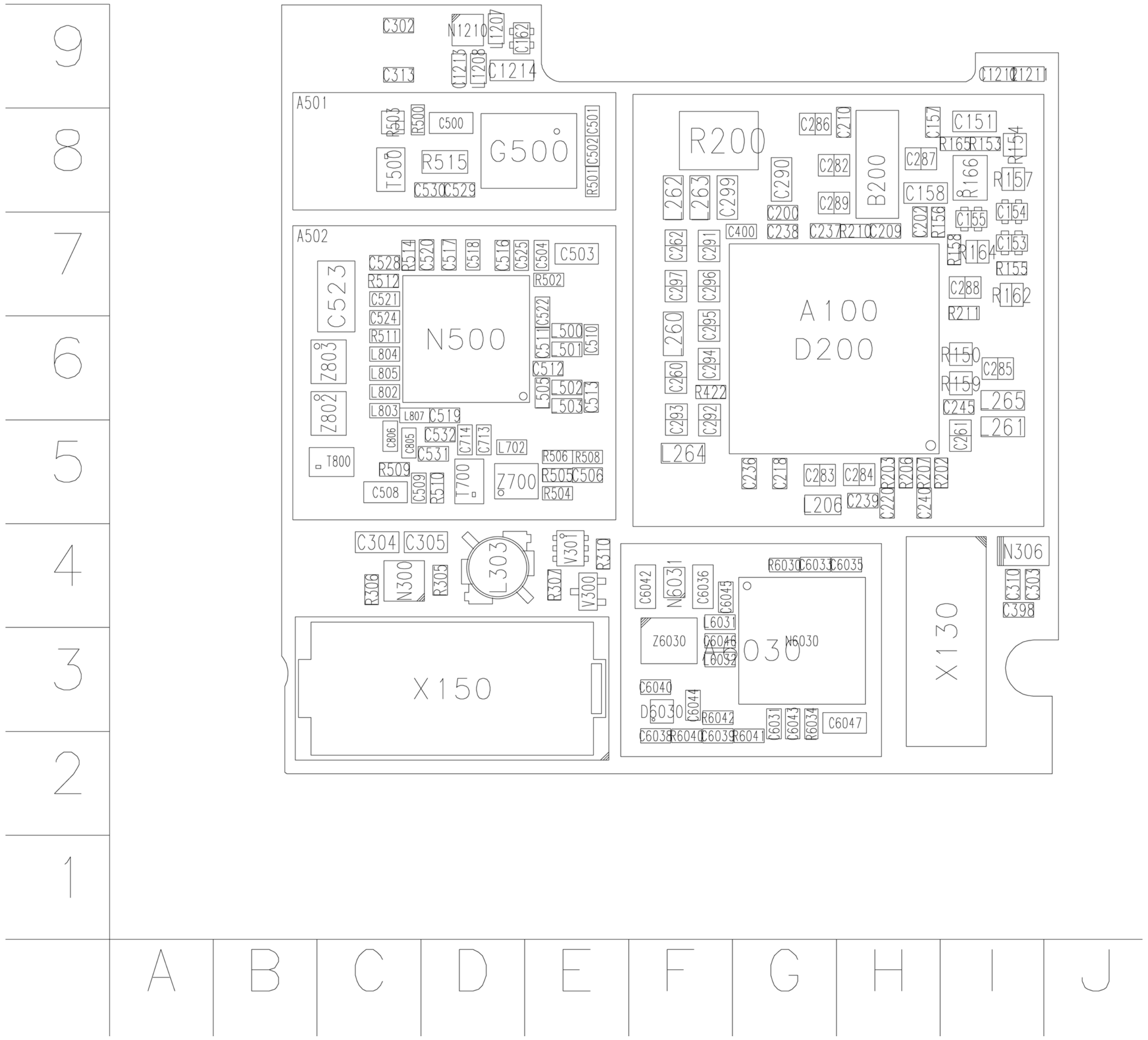


Figure 159 RM-13/33 Component layout 1eaa_11a/b, top side

Component layout bottom side

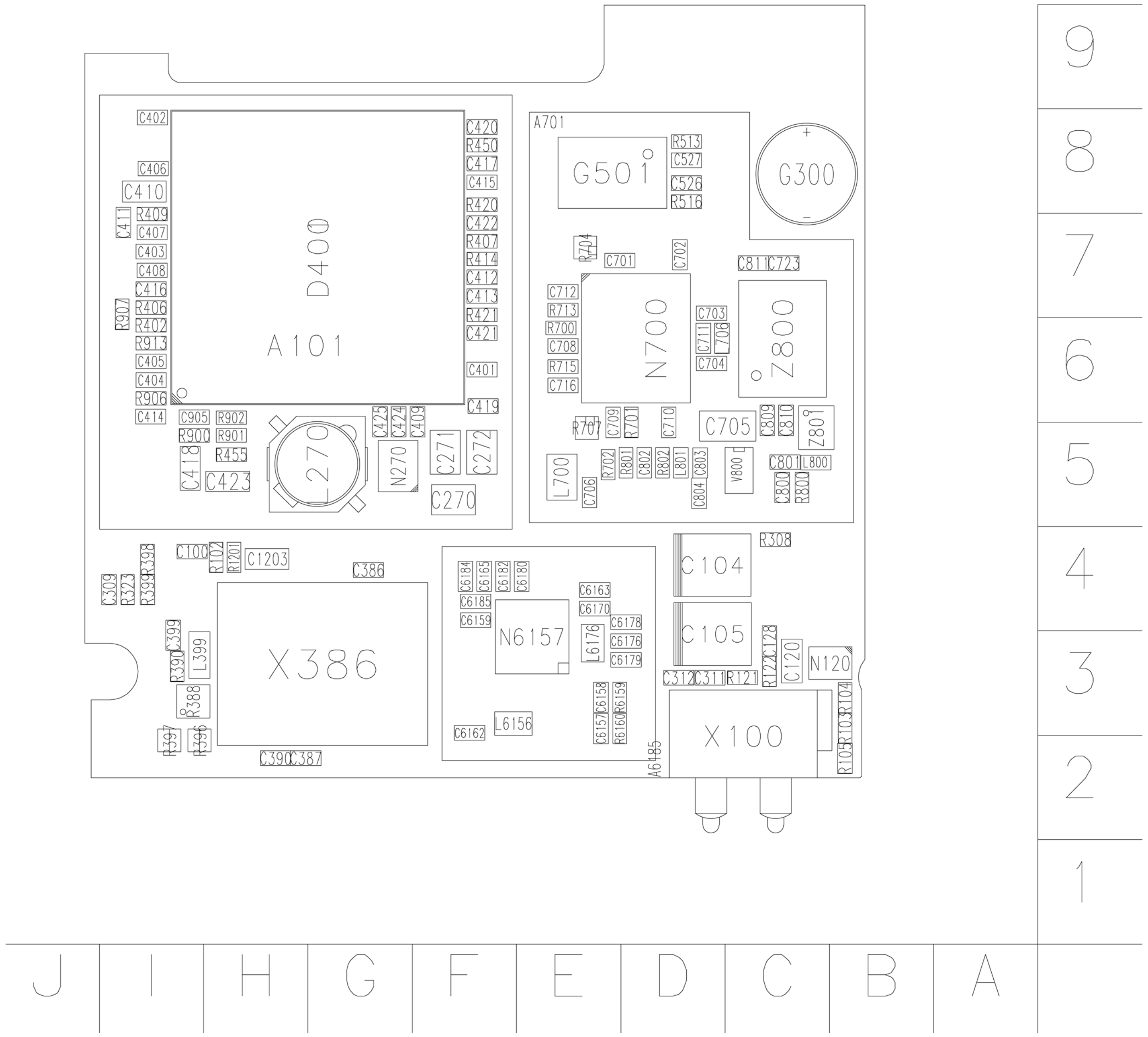


Figure 160 RM-13/33 Component layout 1eaa_11a/b, bottom side